Virginia Title V Operating Permit

Until such time as this permit is reopened and revised, modified, revoked, terminated or expires, the permittee is authorized to operate in accordance with the terms and conditions contained herein. This permit is issued under the authority of Title 10.1, Chapter 13, §10.1-1322 of the Air Pollution Control Law of Virginia. This permit is issued consistent with the Administrative Process Act, and 9 VAC 5-80-50 through 9 VAC 5-80-305 of the State Air Pollution Control Board Regulations for the Control and Abatement of Air Pollution of the Commonwealth of Virginia.

Authorization to operate a Stationary Source of Air Pollution as described in this permit is hereby granted to:

Permittee Name:	Thomasville Furniture Industries, Inc.
Facility Name:	Thomasville Furniture Industries, Inc.; Brookneal Plant
Facility Location:	Campbell County at Brookneal
Registration Number:	30635
AIRS Number:	51-031-0110
Permit Number:	VA-30635

December 18, 2001
Effective Date

December 18, 2006
Expiration Date

Dennis H. Treacy
Director, Department of Environmental Quality

Table of Contents

I. Facility Information

Permittee
Thomasville Furniture Industries, Inc.
P.O. Box 290
Brookneal, VA 24528

Responsible Official
Mr. George Griffin
General Manager, Engineering

Facility
Thomasville Furniture Industries, Inc.
Brookneal Plant
Campbell County, Rt. 501
Brookneal, VA 24528

Contact Person
Ms. Rochelle Chisom
Manager Environmental Affairs
336-476-2264 (Thomasville, NC)
Thomasville Furniture Industries, Inc.
P.O. Box 339
Thomasville, NC 27361

Registration Number: 30635
AIRS Identification Number: 51-031-0110

Facility Description: Standard Industrial Classification (SIC) Code 2511 [North American Industry Classification System (NAICS) Code 337122]

This is a household wood furniture manufacturing plant. It produces home entertainment center and bedroom furniture. The facility has been temporarily shutdown since mid-1997, except for a small gas boiler.

Kiln dried and machined wood is received by the plant. Additional woodworking processes are performed prior to finishing. Finishes (stains, sealers, and lacquers) are primarily spray booth applied wood furniture MACT compliant VOC-based wood furniture coatings. All woodworking dust emissions are controlled by fabric filters. Heat is supplied by a 30 million Btu/hr coal/natural gas-fired boiler controlled by a multicyclone and in a small 5.2 million Btu/hr natural gas-fired boiler.

II. Emission Units

Equipment to be operated consists of:

Emission Unit ID	Stack ID	Emission Unit Description	Size/Rated Capacity	Pollution Control Device (PCD) Description	PCD ID	Pollutant(s) Controlled	Applicable Permit Date
Fuel Burning Equipment							
ESBL1	ESBL1	Keeler coal/natural gas-fired boiler	30 MMBtu/hr with coal as fuel 10.6 MMBtu/hr with natural gas as fuel	Multicyclone	EPMC1	PM/PM_{10}	9/15/1976 (amended 9/12/1979, 7/9/1981 & 3/26/1993)
Process Equipment - Woodworking							
WW1 thru WW4	4 fabric filters	Includes all woodworking equipment, wood grinding, and wood dust transfers		4 fabric filters	CDBF 1 thru 4	PM/PM_{10}	9/15/1976 & 6/25/2001
Process Equipment - Finishing							
ESFN1 (Line #1)	Spray booth and oven stacks	Spray booths #1 - 20, 2 dip tanks, and 2 ovens		Dry filters or water wash	ESSB1 thru ESSB20	PM/PM_{10}	none
ESFN2 (Line #2)	Spray booth stacks.	Spray booth #21 and 1 oven		Internal water sprays	ESSB21	PM/PM_{10}	6/25/2001

III. Insignificant Emissions Units

The following emission units at the facility are identified in the application as insignificant emission units under 9 VAC 5-80-720:

Emission Unit No.	Emission Unit Description	Citation	Pollutant(s) Emitted (9 VAC 5-80-720 B)	Rated Capacity (5-80-720 C)
ESST1- 6	(6) Finishing Material Storage Tanks	9 VAC 5-80-720 B	VOC	3000 gal each
ESFN3	Gluing (facility wide)	9 VAC 5-80-720 B	VOC	NA
N/A	Maintenance Parts Washer	9 VAC 5-80-720 A		NA
N/A	5.2 mm North American natural gas boiler. 1972 boiler installed in late 1996	9 VAC 5-80-720 C		5.2 million Btu/hr input

These insignificant emission units are presumed to be in compliance with all requirements of the federal Clean Air Act as may apply. Based on this presumption, no monitoring, recordkeeping, or reporting shall be required for these emission units in accordance with 9 VAC 5-80-110.

IV. Fuel Burning Equipment Requirements – Keeler Boiler (ESBL1)

A. Limitations

1. Particulate emissions from the Keeler coal and gas fired boiler (ESBL1) shall be controlled by the use of a multicyclone (CDMC1) without reinjection on the boiler exhaust, at a minimum.
(9 VAC 5-80-110, 9 VAC 5-50-260; Permit dated 9/15/1976)

2. Sulfur dioxide emissions from the Keeler boiler (ESBL1) shall be controlled by limiting the coal sulfur content. The coal sulfur content for the Keeler boiler shall not exceed one percent (1%) by weight.
(9 VAC 5-80-110; 9 VAC 5-50-260; Condition 8 NSR permit dated 9/12/1979)

3. The coal ash content for the Keeler boiler (ESBL1) shall not exceed six percent by weight.
(9 VAC 5-80-110; 9 VAC 5-50-260; Condition 9 NSR permit dated 9/12/1979, as amended 07/09/1981)

4. The approved fuels for the Keeler boiler (ESBL1) are coal and natural gas. A change in the fuels may require a permit to modify and operate.
(9 VAC 5-80-110; 9 VAC 5-80-10; Condition 7 NSR permit dated 9/12/1979 as amended 3/26/1993)

5. Emissions from the operation of the Keeler boiler (ESBL1) shall not exceed the limits specified below:

Particulate Matter	0.33 lbs/million Btu input
PM_{10}	0.33 lbs/million Btu input

   (9 VAC 5-80-110; 9 VAC 5-50-260; Condition 2 NSR permit dated 9/12/1979)

6. Visible emissions from the Keeler boiler (ESBL1) shall not exceed 20 percent opacity as determined by EPA Method 9 (reference 40 CFR 60, Appendix A), except during one six-minute period in any one hour in which visible emissions shall not exceed 30 percent opacity.
   (9 VAC 5-80-110; 9 VAC 5-50-80)

B. Monitoring/Operation and Maintenance

1. At least one time per calendar week, while operating, an observation for the presence of visible emissions from the Keeler boiler stack (ESBL1) shall be made. If visible emissions are observed, the permittee shall:

   a. take timely corrective action such that the boiler resumes operation with no visible emissions, or,

   b. perform a visible emissions evaluation (VEE) in accordance with 40 CFR 60, Appendix A, Method 9 to assure visible emissions from the boiler stack does not exceed 20 percent opacity. The VEE shall be conducted for a minimum of six (6) minutes. If any of the observations exceed 20 percent, the VEE shall be conducted for a total of 60 minutes. If compliance is not demonstrated by this VEE, timely corrective action shall be taken such that the boiler resumes operation with visible emissions of 20 percent or less.

   The permittee shall maintain a boiler stack observation log to demonstrate compliance. The log shall identify the emissions point and include the date and time of the observations, whether or not there were visible emissions, the results of all VEEs, any necessary corrective action, and the observers name. If a boiler has not been operated for any period during the week, it shall be noted in the boiler log book.
   (9 VAC 5-80-110E)

2. Once each permit term, at a frequency not to exceed five years, the permittee shall conduct a stack test for Particulate Matter from the Keeler boiler (ESBL1) to demonstrate compliance with the emission limit contained in Condition IV.A.5 of this permit. The test shall be performed within 180 days after the effective date of this permit or after the boiler has been restarted for regular use, which ever occurs later. The test shall be conducted and reported and data reduced as set forth in 9 VAC 5-50-30. The details of the tests shall be arranged with the South Central Regional Office. The permittee shall submit a test protocol at least 30 days prior to testing. Two copies of the test results shall be submitted to the

South Central Regional Office within 60 days after test completion and shall conform to the test report format enclosed with this permit.
(9 VAC 5-50-30, 9 VAC 5-80-10 J)

3. The permittee shall take the following measures, within 60 days of startup, in order to minimize the duration and frequency of excess emissions, with respect to the Keeler boiler (ESBL1) and related air pollution control equipment which affect such emissions:

   a. Develop a maintenance schedule and maintain records of all scheduled and non-scheduled maintenance for the Keeler boiler (ESBL1) and multicyclone (ESMC1).

   b. Develop an inspection schedule, annual at a minimum, to insure operational integrity of the Keeler boiler (ESBL1) and multicyclone (ESMC1), and maintain records of inspection results.

   c. Have available written operating procedures for the Keeler boiler (ESBL1) and multicyclone (ESMC1). These procedures shall be based on the manufacturer's recommendations, at a minimum, if such recommendations exist.

   d. Train operators in the proper operation of the Keeler boiler (ESBL1) and multicyclone (ESMC1) and familiarize the operators with the written operating procedures. The permittee shall maintain records of the training provided including the names of trainees, the date of training and the nature of the training.

   Records of maintenance, inspections, and training shall be maintained on site for a period of five (5) years and shall be made available to DEQ personnel upon request.
   (9 VAC 5-80-110; 9 VAC 5-80-110 F & K; 9 VAC 5-50-20 E)

C. Recordkeeping

The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content of and format of such records shall be arranged with the South Central Regional Office. These records shall include, but are not limited to:

a. The sulfur and ash content for each shipment of coal to be burned in the Keeler boiler (ESBL1).

b. Records of the visible emission and opacity observations from the Keeler boiler (ESBL1) stack as required by Condition IV.B.1.

c. Records of maintenance, inspections, and training for the Keeler boiler (ESBL1) stack as required by Condition IV.B.3.

These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.
(9 VAC 5-80-110; 9 VAC 5-50-50)

V. Process Equipment Requirements – Woodworking (WW)

A. Limitations

1. Particulate emissions from the miscellaneous woodworking dust collection systems (WW1, WW2, WW3, and WW4) shall be controlled by four fabric filters (CDBF1, CDBF2, CDBF3, and CDBF4 respectively). The fabric filters shall be provided with adequate access for inspection and shall be in operation when the woodworking equipment is operating.
   (9 VAC 5-80-110; 9 VAC 5-50-260;Condition 3 NSR permit dated 6/25/2001)

2. Fugitive particulate emissions from the collection, transfer, and handling of wood waste shall be controlled by rotary air lock from the collector to an enclosed bin, covering of all conveyors, or complete enclosure.
   (9 VAC 5-80-110; 9 VAC 5-50-260; Condition 5 NSR permit dated 6/25/2001)

3. The dust collection systems WW3 and WW4 shall each not operate more than 7200 hours per year, calculated monthly as the sum of each consecutive 12-month period.
   (9 VAC 5-80-110; 9 VAC 5-50-20; Condition 7 NSR permit dated 6/25/2001)

4. Particulate emissions from the each fabric filter shall not exceed the limits specified below:

Particulate Matter	0.01 grain/dscf
PM_{10}	0.01 grain/dscf

   (9 VAC 5-80-110; 9 VAC 5-50-260; Condition 8 NSR permit dated 6/25/2001)

5. Visible emissions from each fabric filter shall not exceed 5 percent opacity as determined by EPA Method 9 (reference 40 CFR 60, Appendix A). This condition applies at all times except during startup, shutdown, and malfunction.
   (9 VAC 5-80-110; 9 VAC 5-50-260; Condition 10 NSR permit dated 6/25/2001)

6. Visible fugitive emissions resulting from the collection, transfer or handling of wood dust shall not exceed 10 percent opacity as determined by EPA Method 9 (reference 40 CFR 60, Appendix A).
   (9 VAC 5-80-110; 9 VAC 5-50-260; Condition 11 NSR permit dated 6/25/2001)

B. Monitoring/Operation and Maintenance

1. The fabric filters shall be equipped with devices to continuously measure the differential pressure drop across the fabric filter. Each monitoring device shall be installed, maintained, calibrated, and operated in accordance with approved procedures which shall include, as a minimum, the manufacturer's written requirements or recommendations. Each monitoring device shall be provided with adequate access for inspection and shall be in operation when the fabric filter is operating.
   (9 VAC 5-80-110; 9 VAC 5-80-10 H; 9 VAC 5-50-20 C; Condition 6 NSR permit dated 6/25/2001)

2. At least one time per calendar per week, while operating, an observation for the presence of visible emissions from each woodworking fabric filter (CDBF 1-4) stack exhausting to the atmosphere shall be made. If visible emissions are observed, timely corrective action shall be taken such that the fabric filter resumes operation with no visible emissions.
   The permittee shall maintain a fabric filter exhaust stack observation log to demonstrate compliance. The log shall identify the emissions point include the date and time of the observations, whether or not there were visible emissions, any necessary corrective action, and the observers name. If a dust control system has not been operated for any period during the week, it shall be noted in the fabric filter log book.
   (9 VAC 5-80-110E)

3. The permittee shall take the following measures, within 60 days of startup, in order to minimize the duration and frequency of excess emissions, with respect to woodworking air pollution control equipment and process equipment which affect such emissions:

   a. Develop a maintenance schedule and maintain records of all scheduled and non-scheduled maintenance.

   b. Develop an inspection schedule, monthly at a minimum, to insure the operational integrity of the fabric filters (CDBF 1-4) and maintain records of inspection results.

   c. Have available written operating procedures for equipment. These procedures shall be based on the manufacturer's recommendations, at a minimum.

   d. Train operators in the proper operation of all such equipment and familiarize the operators with the written operating procedures. The permittee shall maintain records of the training provided including the names of trainees, the date of training and the nature of the training.

   e. Maintain an inventory of spare parts that are needed to maintain the fabric filters in proper working order to minimize emissions.

   Records of maintenance, inspections, and training shall be maintained on site for a period of five (5) years and shall be made available to DEQ personnel upon request.
   (9 VAC 5-80-110 F; 9 VAC 5-80-110 K; 9 VAC 5-50-20 E; Conditions 19 NSR permit dated 6/25/2001)

C. Recordkeeping

The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the South Central Regional Office. These records shall include, but are not limited to:

a. The annual hours of operation of dust collection systems WW3 and WW4, calculated monthly as the sum of each consecutive twelve (12) month period.

b. Records of visible emission observations from the fabric filters as required by Condition V.B.2.

c. Records of maintenance, inspections, and training for the fabric filters as required by Condition V.B.3.

These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.
(9 VAC 5-80-110; 9 VAC 5-50-50; Condition 14 NSR permit dated 6/25/2001)

VI. Process Equipment Requirements – Finishing –(ESFN1 and ESFN2)

A. Limitations

1. Particulate emissions from the ESFN1 portion of finishing [spray booths #1 thru #20 (ESSB1 thru ESSB20)] shall be controlled by either water spray or filters. The particulate controls shall be provided with adequate access for inspection and shall be in operation when the spray booths are operating.
(9 VAC 5-80-110; 9 VAC 5-50-20)

2. Particulate emissions from the ESFN2 portion of finishing [spray booth #21 (ESSB21)] shall be controlled by internal water sprays. The particulate control shall be provided with adequate access for inspection and shall be in operation when the spray booths are operating.
(9 VAC 5-80-110; 9 VAC 5-50-260; Condition 4 NSR permit dated 6/25/2001)

3. Emissions from the ESFN2 portion of finishing [spray booth #21 (ESSB21)] shall not exceed the limits specified below:

Volatile Organic Compounds	20.2 lbs/hr	24.3 tons/yr

(9 VAC 5-80-110; 9 VAC 5-50-260; Condition 9 NSR permit dated 6/25/2001)

4. Visible emissions from each finishing spray booth in the ESFN1 portion of finishing [spray booths #1 thru #20 (ESSB1 thru ESSB20)] shall not exceed twenty (20) percent opacity as determined by EPA Method 9 (reference 40 CFR 60, Appendix A), except during one six-minute period in any one hour in which visible emissions shall not exceed 30 percent opacity.
(9 VAC 5-80-110; 9 VAC 5-50-80)

5. Visible emissions from each finishing spray booth in the ESFN2 portion of finishing [spray booths #21 (ESSB21)] shall not exceed five (5) percent opacity as determined by EPA Method 9 (reference 40 CFR 60, Appendix A). This condition applies at all times except during startup, shutdown, and malfunction.
(9 VAC 5-80-110; 9 VAC 5-50-80; Condition 12 NSR permit dated 6/25/2001)

B. Monitoring/Operation and Maintenance

1. At least one time per calendar week, while operating, an observation for the presence of visible emissions from the finishing spray booth stacks (ESSB1 thru ESSB21) shall be made. If any visible emissions are observed, the permittee shall take timely corrective action such that the spray booth resumes operation with no visible emissions.
   The permittee shall maintain a finishing observation log to demonstrate compliance. The log shall identify the emissions point and include the date and time of the observations, whether or not there were visible emissions, any necessary corrective action, and the observers name. If a spray booth has not been operated for any period during the week, it shall be noted in the fabric filter log book.
   (9 VAC 5-80-110E)

2. The permittee shall take the following measures, within 60 days of startup, in order to minimize the duration and frequency of excess emissions, with respect to finishing (ESFN1 and ESFN2) air pollution control equipment and process equipment which affect such emissions:

   a. Develop a maintenance schedule and maintain records of all scheduled and non-scheduled maintenance.

   b. Have available written operating procedures for equipment. These procedures shall be based on the manufacturer's recommendations, at a minimum.

   c. Train operators in the proper operation of all such equipment and familiarize the operators with the written operating procedures. The permittee shall maintain records of the training provided including the names of trainees, the date of training and the nature of the training.

   d. Maintain an inventory of spare parts that are needed to maintain the spray booths in proper working order to minimize emissions.

   Records of maintenance, inspections, and training shall be maintained on site for a period of five (5) years and shall be made available to DEQ personnel upon request.
   (9 VAC 5-80-110 F; 9 VAC 5-80-110 K; 9 VAC 5-50-20 E; Condition 19 NSR permit dated 6/25/2001)

C. Recordkeeping

The permittee shall maintain records of all emission data and operating parameters for all finishing operations (ESFN1 and ESFN2) necessary to demonstrate compliance with this permit. The content of and format of such records shall be arranged with the South Central Regional Office. These records shall include, but are not limited to:

a. Monthly and annual VOC emissions from the ESFN2 portion of finishing, calculated monthly as the sum of each consecutive twelve (12) month period.

b. Records of the visible emission observations from the spray booths in ESFN1 and ESFN2 as required by Condition VI.B.1.

c. Records of maintenance and training for the spray booths in ESFN1 and ESFN2 as required by Condition VI.B.2.

These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.
(9 VAC 5-80-110; 9 VAC 5-50-50; Condition 14 NSR permit dated 6/25/2001)

VII. MACT Conditions

The facility is to be operated in compliance with Federal requirements under 40 CFR 63, Subpart JJ, including future revisions (current copy attached) and with the requirements of 40 CFR Part 63, Subpart A as identified in Table 1 for Subpart JJ. All terms used regarding 40 CFR 63, Subpart JJ shall have the meanings as defined in 40 CFR 63.801 and 40 CFR 63.2.
(9 VAC 5-60-100; 40 CFR 63.800; 40 CFR 63, Subpart A; Condition 13 NSR permit dated 6/25/2001)

A. Emission Standard

1. Volatile Hazardous Air Pollutant (VHAP) emissions from the facility shall not exceed the following limits;

   a. For finishing operations use any of the following methods;

      (1) Achieve a weighted average VHAP content across all coatings of 1.0 lb VHAP/lb solids, as applied;

      (2) Use compliant finishing materials that meet the following specifications:

         (a) Each sealer and topcoat has a VHAP content of no more than 1.0 lb VHAP/lb solids, as applied;

         (b) Each stain has a VHAP content of no more than 1.0 lb VHAP/lb solids, as applied;

         (c) Each thinner contains no more than 10.0 percent VHAP by weight except where excluded by Condition VII.A.1.a(2)(e) of this sub-section;

         (d) Each washcoat, basecoat, and enamel that is purchased pre-made, that is, it is not formulated onsite by thinning another finishing material, has a VHAP content of no more than 1.0 lb VHAP/lb solids, as applied;

         (e) Each washcoat, basecoat, and enamel that is formulated onsite is formulated using a finishing material containing no more than 1.0 lb VHAP/lb solids and a thinner containing no more than 3.0 percent VHAP by weight;

(3) Use any combination of averaging, compliant coatings, and control device such that no greater than 1.0 lb of VHAP being emitted per lb of solids used;

b. For cleaning operations strippable spray booth coatings shall be used that contain no more than 0.8 lb VOC/lb solids, as applied;

c. For contact adhesive operations compliant contact adhesives shall be used based on the following criteria;

(1) For aerosol adhesives, as well as hot melt, PVA, and urea-formaldehyde adhesives, and for contact adhesives applied to nonporous substrates there is no limit on the VHAP content of these adhesives;

(2) For foam adhesives used in products that meet flammability requirements the VHAP content can be no more than 1.8 lb VHAP/lb solids, as applied;

(3) For all other contact adhesives the VHAP content can be no more than 1.0 lb VHAP/lb solids, as applied;

(9 VAC 5-60-100, 40 CFR 63.802)

B. Continuous Compliance

Continuous compliance with the VHAP emissions limits shall be determined as follows: (See the Notification of Compliance Condition VII.H and Reporting Condition VII.I for content and timing of report submissions and signature requirements)

1. Finishing operations shall demonstrate compliance for finishing materials by using either of the following methods or a combination of the methods.

a. For finishing operations when averaging is being used to show continuous compliance, the permittee shall submit the results of the averaging calculation (Equation 1) for each month within that semiannual period and submitting a compliance certification with the semiannual report. The compliance certification shall state that the value of (E), as calculated by Equation 1, is no greater than 1.0. The facility is in violation of the standard if E is greater than 1.0 for any month. A violation of the monthly average is a separate violation of the standard for each day of operation during the month, unless the affected source can demonstrate through records that the violation of the monthly average can be attributed to a particular day or days during the period.

$$E = (M_{c1}C_{c1} + M_{c2}C_{c2} + ... + M_{cn}C_{cn} + S_1W_1 + S_2W_2 + ... \ S_nW_n)/(M_{c1} + M_{c2} + ... + M_{cn})$$

Equation 1

E = the emission limit achieved by an emission point or a set of emission points, in lb VHAP/lb solids.

M_c = the mass of solids in a finishing material or coating (c) used monthly, including exempt finishing materials and coatings, lb solids/month.

C_c = the VHAP content of a finishing material or coating (c), in pounds of VHAP per pound of coating solids.

S = the VHAP content of a solvent, expressed as a weight fraction, added to finishing materials or coatings.
W = the amount of solvent, in pounds, added to finishing materials and coatings during the monthly averaging period.

The Emission Limit (E in lb VHAP / lb solids) equals the sum, for all finishing materials and coatings, of the mass of solids in each material used within that month (M_c in lb solids / month) multiplied by the VHAP content in each material (C_c in lb VHAP / lb solids) plus the sum, for all solvents, of the mass of solvent used monthly (W in lb solvent / month) multiplied by the weight fraction of VHAP in the solvent (S in lb VHAP / lb solvent), with this total being divided by the sum, for all finishing materials and coatings, of the mass of solids in each finishing material and coating used within that month (M_c in lb solids / month).

b. For finishing operations when compliant coatings are being used to show continuous compliance, the permittee shall use compliant coatings and thinners, maintain records that demonstrate the finishing materials and thinners are compliant, and submit a compliance certification with the semiannual report which states that compliant stains, washcoats, sealers, topcoats, basecoats, enamels, and thinners, as stated in the Emission Standard Condition VII.A, above, have been used each day in the semiannual reporting period or should otherwise identify the periods of noncompliance and the reasons for noncompliance. The facility is in violation of the standard whenever a noncompliant coating, as demonstrated by records or by a sample of the coating, is used.

2. For contact adhesive operations when compliant adhesives are being used to show continuous compliance the permittee shall submit a compliance certification with the semiannual report. The compliance certification shall state that compliant contact and/or foam adhesives have been used each day in the semiannual reporting period, or should otherwise identify each day noncompliant contact and/or foam adhesives were used. Each day a noncompliant contact or foam adhesive is used is a single violation of the standard.

3. For strippable spray booth coatings the permittee shall submit a compliance certification with the semiannual report. The compliance certification shall state that compliant strippable spray booth coatings have been used each day in the semiannual reporting period, or should otherwise identify each day noncompliant materials were used. Each day a noncompliant strippable booth coating is used is a single violation of the standard.

4. For work practice standards the permittee shall submit a compliance certification with the semiannual report. The compliance certification shall state that the work practice implementation plan is being followed, or should otherwise identify the provisions of the plan that have not been implemented and each day the provisions were not implemented. During any period of time that the permittee is required to implement the provisions of the plan, each failure to implement an obligation under the plan during any particular day is a violation and the DEQ may require the permittee to modify the plan (see the Work Practices Standards Condition VII.E.a, below).
(9 VAC 5-60-100, 40 CFR 63.804(a) & (g), 40 CFR 63.8)

C. Submittals

All submittals regarding 40 CFR 63, Subpart JJ to the Administrator shall be sent to the South Central Regional Office and to EPA Region III at the following address:

U.S. EPA Region III
Air Protection Division (3AP00)
ATTN.: Wood Furniture NESHAP Coordinator
1650 Arch Street
Philadelphia, PA 19103-2029

(9 VAC 5-60-100, 40 CFR 63.13)

D. Operation and Maintenance

The permittee shall meet the following operation and maintenance requirements:

a. At all times, including periods of startup, shutdown, and malfunction, the permittee shall operate and maintain the facility, including associated air pollution control equipment, in a manner consistent with good air pollution control practices for minimizing emissions at least to the levels required by all relevant standards.

b. Malfunctions shall be corrected as soon as practicable after their occurrence.

c. Operation and maintenance requirements established pursuant to Section 112 of the Act are enforceable independent of emissions limitations or other requirements in relevant standards.

d. Determination of whether acceptable operation and maintenance procedures are being used will be based on information available to the DEQ which may include, but is not limited to review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.

(9 VAC 5-60-100, 40 CFR 63.6(e))

E. Work Practice Standards

The permittee shall develop and implement the following work practice standards:

a. Work practice implementation plan - The permittee shall prepare and maintain a written work practice implementation plan that defines environmentally desirable work practices for the finishing and gluing operations and addresses each of the work practice standards presented in Conditions VII.E.b. through VII.E.l. that follow. The plan shall be developed no more than 60 days after the compliance date. The written work practice implementation plan shall be available for inspection by the DEQ upon request. If the DEQ determines that the work practice implementation plan does not adequately address each of the topics specified in §63.803 of Subpart JJ or that the plan does not

include sufficient mechanisms for ensuring that the work practice standards are being implemented, the DEQ may require the permittee to modify the plan. Revisions or modifications to the plan do not require a revision of the source's Title V permit.

b. Operator training course - The permittee shall train all new and existing personnel, including contract personnel, who are involved in finishing, gluing, cleaning, and washoff operations, use of manufacturing equipment in these operations, or implementation of the requirements of Subpart JJ. All new personnel shall be trained upon hiring. All existing personnel shall be trained within six months of the compliance date. All personnel shall be given refresher training annually. The permittee shall maintain a copy of the training program with the work practice implementation plan. The training program shall include, at a minimum, the following:

(1) A list of all current personnel by name and job description that are required to be trained;

(2) An outline of the subjects to be covered in the initial and refresher training for each position or group of personnel;

(3) Lesson plans for courses to be given at the initial and the annual refresher training that include, at a minimum, appropriate application techniques, appropriate cleaning and washoff procedures, appropriate equipment setup and adjustment to minimize finishing material usage and overspray, and appropriate management of cleanup wastes; and

(4) A description of the methods to be used at the completion of initial or refresher training to demonstrate and document successful completion.

c. Inspection and maintenance plan - The permittee shall prepare and maintain with the work practice implementation plan a written leak inspection and maintenance plan that specifies:

(1) A minimum visual inspection frequency of once per month for all equipment used to transfer or apply coatings, adhesives, or organic HAP solvents;

(2) An inspection schedule;

(3) Methods for documenting the date and results of each inspection and any repairs that were made;

(4) The time frame between identifying the leak and making the repair, which adheres, at a minimum, to the following schedule:

(a) A first attempt at repair (e.g., tightening of packing glands) shall be made no later than five (5) calendar days after the leak is detected; and

(b) Final repairs shall be made within 15 calendar days after the leak is detected, unless the leaking equipment is to be replaced by a new purchase, in which case repairs shall be completed within three months.

d. Cleaning and washoff solvent accounting system - The permittee shall develop an organic HAP solvent accounting form to record:

(1) The quantity and type of organic HAP solvent used each month for washoff and cleaning, as defined in §63.801 of Subpart JJ;

(2) The number of pieces washed off, and the reason for the washoff; and

(3) The quantity of spent organic HAP solvent generated from each washoff and cleaning operation each month, and whether it is recycled onsite or disposed offsite.

e. Chemical composition of cleaning and washoff solvents - The permittee shall not use cleaning or washoff solvents that contain any of the pollutants listed in Table 4 of Subpart JJ (see attached), in concentrations subject to MSDS reporting as required by OSHA.

f. Spray booth cleaning - The permittee shall not use compounds containing more than 8.0 percent by weight of VOC for cleaning spray booth components other than conveyors, continuous coaters and their enclosures, or metal filters, or plastic filters unless the spray booth is being refurbished. If the spray booth is being refurbished, that is the spray booth coating or other protective material used to cover the booth is being replaced, the permittee shall use no more than 1.0 gallon of organic HAP solvent per booth to prepare the surface of the booth prior to applying the booth coating.

g. Storage requirements - The permittee shall use normally closed containers for storing finishing, gluing, cleaning, and washoff materials.

h. Application equipment requirements - The permittee shall use conventional air spray guns to apply finishing materials only under any of the following circumstances:

(1) To apply finishing materials that have a VOC content no greater than 1.0 lb VOC/lb solids, as applied;

(2) For touchup and repair under the following conditions:

(a) The touchup and repair occurs after completion of the finishing operation; or

(b) The touchup and repair occurs after the application of stain and before the application of any other type of finishing material, and the materials used for touchup and repair are applied from a container that has a volume of no more than 2.0 gallons.

(3) When spray is automated, that is, the spray gun is aimed and triggered automatically, not manually;

(4) When emissions from the finishing application station are directed to a control device;

(5) The conventional air gun is used to apply finishing materials and the cumulative total usage of that finishing material is no more than 5.0 percent of the total gallons of finishing material used during that semiannual period; or

(6) The conventional air gun is used to apply stain on a part for which it is technically or economically infeasible to use any other spray application technology. The permittee shall demonstrate technical or economic infeasibility by submitting to the DEQ a videotape, a technical report, or other documentation that supports the permittee's claim of technical or economic infeasibility. The following criteria shall be used, either independently or in combination, to support the permittee's claim of technical or economic infeasibility:

(a) The production speed is too high or the part shape is too complex for one operator to coat the part and the application station is not large enough to accommodate an additional operator; or

(b) The excessively large vertical spray area of the part makes it difficult to avoid sagging or runs in the stain.

i. Line cleaning - The permittee shall pump or drain all organic HAP solvent used for line cleaning into a normally closed container.

j. Gun cleaning - The permittee shall collect all organic HAP solvent used to clean spray guns into a normally closed container.

k. Washoff operations - The permittee shall control emissions from washoff operations by:

(1) Using normally closed tanks for washoff; and

(2) Minimizing dripping by tilting or rotating the part to drain as much solvent as possible.

l. Formulation assessment plan for finishing operations - The permittee shall prepare and maintain with the work practice implementation plan a formulation assessment plan that:

(1) Identifies VHAP from the list presented in Table 5 of Subpart JJ that are being used in finishing operations;

(2) Establishes a baseline level of usage for each VHAP identified. The baseline usage level shall be the highest annual usage from 1994, 1995, or 1996, for each VHAP

identified, except for formaldehyde and styrene which shall be determined as specified by §63.803 (l)(2). For VHAPs that do not have a baseline, one will be established according to the Work Practices Standards Condition VII.E.l(6), below.

(3) Tracks the annual usage of each VHAP identified that is present in amounts subject to MSDS reporting as required by OSHA.

(4) If the annual usage of the VHAP identified exceeds its baseline level, then the permittee of the facility shall provide a written notification to the South Central Regional Office that describes the amount of the increase and explains the reasons for exceedance of the baseline level. The following explanations would relieve the owner or operator from further action, unless the affected source is not in compliance with any State regulations or requirements for that VHAP:

(a) The exceedance is no more than 15.0 percent above the baseline level;

(b) Usage of the VHAP is below the de minimis level presented in Table 5 for that VHAP;

(c) The affected source is in compliance with its State's air toxic regulations or guidelines for the VHAP; or

(d) The source of the pollutant is a finishing material with a VOC content of no more than 1.0 lb VOC/lb solids, as applied.

(5) If none of the explanations listed in the Work Practices Standards Condition VII.E.l(4), above, are the reason for the increase, the permittee shall confer with the South Central Regional Office to discuss the reason for the increase and whether there are practical and reasonable technology-based solutions for reducing the usage. The evaluation of whether a technology is reasonable and practical shall be based on cost, quality, and marketability of the product, whether the technology is being used successfully by other wood furniture manufacturing operations, or other criteria mutually agreed upon by the South Central Regional Office and owner or operator. If there are no practical and reasonable solutions, the facility need take no further action. If there are solutions, the owner or operator shall develop a plan to reduce usage of the pollutant to the extent feasible. The plan shall address the approach to be used to reduce emissions, a timetable for implementing the plan, and a schedule for submitting notification of progress.

(6) If the facility uses a VHAP of potential concern listed in Table 6 of Subpart JJ for which a baseline level has not been previously established, then the baseline level shall be established as the de minimis level provided in that same table for that chemical. The permittee shall track the annual usage of each VHAP of potential concern identified that is present in amounts subject to MSDS reporting as required by OSHA. If usage of the VHAP of potential concern exceeds the de minimis level listed in Table 6 of Subpart JJ for that chemical, then the permittee shall provide an explanation to the South Central Regional Office that documents the reason for exceedance of the de minimis level. If the explanation is not one of those listed in the Work Practices Standards Condition VII.E.l(4), above, the affected source shall

follow the procedures established in the Work Practices Standards Condition VII.E.l(5), above.

(9 VAC 5-60-100, 40 CFR 63.803(a)-(l))

F. Testing

If compliance testing is conducted the tests shall be conducted using the test methods and procedures as specified in 40 CFR 63.805 of Subpart JJ.
(9 VAC 5-60-100, 40 CFR 63.805)

G. Recordkeeping

The permittee shall maintain records of the following:

1. For emission limit purposes the permittee shall maintain the following:

   a. A certified product data sheet for each finishing material, thinner, contact adhesive, and strippable spray booth coating subject to the emission limits in Subpart JJ,

   b. The VHAP content, in lb VHAP/lb solids, as applied, of each finishing material and contact adhesive subject to the emission limits in Subpart JJ; and

   c. The VOC content, in lb VOC/lb solids, as applied, of each strippable booth coating subject to the emission limits in Subpart JJ.

2. Following the averaging method the permittee shall maintain copies of the averaging calculation for each month following the compliance date, as well as the data on the quantity of coatings and thinners used that is necessary to support the calculation of E in Equation 1.

3. The permittee shall maintain onsite the work practice implementation plan and all records associated with fulfilling the requirements of that plan, including, but not limited to:

   a. Records demonstrating that the operator training program required by the Work Practices Standards Condition VII.E.b, above, is in place;

   b. Records collected in accordance with the inspection and maintenance plan required by the Work Practices Standards Condition VII.E.c, above;

   c. Records associated with the cleaning solvent accounting system required by the Work Practices Standards Condition VII.E.d, above;

   d. Records associated with the limitation on the use of conventional air spray guns showing total finishing material usage and the percentage of finishing materials applied with conventional air spray guns for each semiannual period required by the Work Practices Standards Condition VII.E.h, above;

e. Records associated with the formulation assessment plan required by the Work Practices Standards Condition VII.E.l, above; and

f. Copies of documentation such as logs developed to demonstrate that the other provisions of the work practice implementation plan are followed.

4. The permittee shall maintain records of the compliance certifications submitted for each semiannual period following the compliance date.

5. The permittee shall maintain records of all other information submitted with the compliance status report and the semiannual reports.

6. The permittee shall maintain files of all information (including all reports and notifications) required, recorded in a form suitable and readily available for expeditious inspection and review. The files shall be retained for at least 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. At a minimum, the most recent 2 years of data shall be retained on site. The remaining 3 years of data may be retained off site. Such files may be maintained on microfilm, on a computer, on computer floppy disks, on magnetic tape disks, or on microfiche.
(9 VAC 5-60-100, 40 CFR 63.806, 63.10(b)(1))

H. Notification of Compliance

1. Each time a notification of compliance status is required, the permittee shall submit to the South Central Regional Office and EPA a notification of compliance status, signed by a responsible official of the company that owns or operates the facility who shall certify its accuracy, attesting to whether the source has complied with Subpart JJ. The notification shall list:

a. The methods that were used to determine compliance;

b. The results of any performance tests, opacity or visible emission observations, continuous monitoring system (CMS) performance evaluations, and/or other monitoring procedures or methods that were conducted;

c. The methods that will be used for determining continuing compliance, including a description of monitoring and reporting requirements and test methods;

d. The type and quantity of hazardous air pollutants emitted by the source, reported in units and averaging times and in accordance with the test methods specified;

e. An analysis demonstrating whether the facility is a major source or an area source (using the emissions data generated for this notification);

f. A description of the air pollution control equipment (or method) for each emission point, including each control device (or method) for each hazardous air pollutant and the control efficiency (percent) for each control device (or method); and

g. A statement by the permittee as to whether the facility has complied with Subpart JJ as expressed in this permit.

(9 VAC 5-60-100, 40 CFR 63.9(h))

I. Reporting

1. Reporting not otherwise required by this permit shall consist of the following:

   a. The permittee when demonstrating continuous compliance shall submit a report covering the previous 6 months of wood furniture manufacturing operations:

      (1) The time periods to be addressed are the calendar months **January through June** and **July through December**. Reports should be submitted to DEQ no later than **March 1** and **September 1** of each calendar year.

      (2) The semiannual reports shall include the information required by the Continuous Compliance Condition VII.B, above, a statement of whether the facility was in compliance or noncompliance, and, if the facility was in noncompliance, the measures taken to bring the facility into compliance.

      (3) The frequency of the reports required by the Reporting Condition VII.I, above, shall not be reduced from semiannually regardless of the history of the owner's or operator's compliance status.

   b. The permittee, when required to provide a written notification by the Work Practices Standards Condition VII.E, above, for exceedance of a baseline level [§63.803(l)(4)], shall include in the notification one or more statements that explains the reasons for the usage increase. The notification shall be submitted no later than **March 1** after the end of the annual period in which the usage increase occurred.

(9 VAC 5-60-100, 40 CFR 63.807, 63.10(d))

VIII. Permit Shield & Inapplicable Requirements

Compliance with the provisions of this permit shall be deemed compliance with all applicable requirements in effect as of the permit issuance date as identified in this permit. This permit shield covers only those applicable requirements covered by terms and conditions in this permit and the following requirements which have been specifically identified as being not applicable to this permitted facility:

Citation	Title of Citation	Description of applicability
none		

Nothing in this permit shield shall alter the provisions of §303 of the federal Clean Air Act, including the authority of the administrator under that section, the liability of the owner for any

violation of applicable requirements prior to or at the time of permit issuance, or the ability to obtain information by (i) the administrator pursuant to § 114 of the federal Clean Air Act, (ii) the Board pursuant to § 10.1-1314 or § 10.1-1315 of the Virginia Air Pollution Control Law or (iii) the Department pursuant to § 10.1-1307.3 of the Virginia Air Pollution Control Law.
(9 VAC 5-80-140)

IX. Facility-wide Conditions

A. Fugitive Dust/Emission Standard

During the operation of a stationary source or any other building, structure, facility or installation, no owner or other person shall cause or permit any materials or property to be handled, transported, stored, used, constructed, altered, repaired or demolished without taking reasonable precautions to prevent particulate matter from becoming airborne.
(9 VAC 5-50-90, 9 VAC 5-80-110 A)

B. Emission Tests

Upon request of the Department, the permittee shall conduct emission tests in accordance with procedures approved by the Department and provide, or cause to be provided, emission testing facilities as follows:

- Sampling ports adequate for test methods applicable to such source.
- Safe sampling platforms.
- Safe access to sampling platforms.
- Utilities for sampling and testing equipment.

(9 VAC 5-50-30 F)

X. General Conditions

A. Federal Enforceability

All terms and conditions in this permit, including any provisions designed to limit a source's potential to emit, are enforceable by the administrator and citizens under the federal Clean Air Act, except those that have been designated as only state-enforceable.
(9 VAC 5-80-110 N)

B. Permit Expiration

This permit shall become invalid five years from the date of issuance. The permittee shall submit an application for renewal of this permit no earlier than 18 months and no later than six months prior to the date of expiration of this permit. Upon receipt of a complete and timely application for renewal, this source may continue to operate subject to final action by the DEQ on the renewal application.
(9 VAC 5-80-110 D and 9 VAC 5-80-80 F)

C. Recordkeeping and Reporting

1. All records of monitoring information maintained to demonstrate compliance with the terms and conditions of this permit shall contain, where applicable, the following:

   a. The date, place as defined in the permit, and time of sampling or measurements.

   b. The date(s) analyses were performed.

   c. The company or entity that performed the analyses.

   d. The analytical techniques or methods used.

   e. The results of such analyses.

   f. The operating conditions existing at the time of sampling or measurement.

   (9 VAC 5-80-110 F)

2. Records of all monitoring data and support information shall be retained for at least five years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.
   (9 VAC 5-80-110 F)

3. The permittee shall submit the results of monitoring, including periodic monitoring, contained in any applicable requirement to DEQ every six months. The time periods to be addressed are the calendar months **January through July** and **July through December**. Reports should be submitted to DEQ no later than **March 1** and **September 1** of each calendar year. This report must be signed by a responsible official, consistent with 9 VAC 5-80-80 G, and shall include:

   a. The time period included in the report.

   b. All deviations from permit requirements. For purposes of this permit, deviations include, but are not limited to:

      (1) exceedance of emissions limitations or operational restrictions;

      (2) excursions from control device operating parameter requirements, as documented by continuous emission monitoring, periodic monitoring, or compliance assurance monitoring which indicates an exceedance of emission limitations or operational restrictions; or

      (3) failure to meet monitoring, record-keeping, or reporting requirements contained in this permit.

c. If there were no deviations from permit conditions during the time period, the permittee shall include a statement in the report that "no deviations from permit requirements occurred during this semi-annual period."

d. Report recipients: The semi-annual reports required by this Title V operating permit shall be sent to:

VA DEQ
South Central Regional Office
Attn: Air Compliance Manager
7705 Timberlake Road
Lynchburg, VA 24502

(9 VAC 5-80-110 F)

D. Annual Compliance Certification

Exclusive of any reporting required to assure compliance with the terms and conditions of this permit or as part of a schedule of compliance contained in this permit, the permittee shall submit to DEQ and EPA no later than **March 1** each calendar year a certification of compliance with all terms and conditions of this permit including emission limitation standards or work practices. The time period to be covered by the certification is the calendar months **January through December**. The compliance certification shall comply with such additional requirements that may be specified pursuant to §114(a)(3) and §504(b) of the federal Clean Air Act. This certification shall be signed by a responsible official, consistent with 9 VAC 5-80-80 G, and shall include:

1. The time period included in the certification.

2. The identification of each term or condition of the permit that is the basis of the certification.

3. The compliance status.

4. The identification of the methods or other means by the permittee for determining the compliance status with each term and condition during the certification period, and whether such methods or other means provide continuous or intermittent data. Such methods and other means shall include, at a minimum, the methods and means required under 9 VAC 5-80-110 E.

5. Such other facts as the permit may require to determine the compliance status of the source.

Copies of the annual compliance certification shall be sent to the EPA and the South Central Regional Office at the following addresses:

U.S. EPA, Region III
Clean Air Act Title V Compliance Certification (3AP00)
1650 Arch Street
Philadelphia, PA 19103-2029.

VA DEQ
South Central Regional Office
Attn: Air Compliance Manager
7705 Timberlake Road
Lynchburg, VA 24502

(9 VAC 5-80-110 K.5)

E. Permit Deviation Reporting

The permittee shall notify the South Central Regional Office, within four daytime business hours after discovery of any deviations from permit requirements which may cause excess emissions for more than one hour, including those attributable to upset conditions as may be defined in this permit. In addition, within 14 days of the occurrence, the permittee shall provide a written statement explaining the problem, any corrective actions or preventive measures taken, and the estimated duration of the permit deviation. The occurrence should also be reported in the next semi-annual compliance monitoring report required by this permit.
(9 VAC 5-80-110 F.2; 9 VAC 5-80-250)

F. Failure/Malfunction Reporting

If, for any reason, the affected facilities or related air pollution control equipment fails or malfunctions and may cause excess emissions for more than one hour, the owner shall notify the South Central Regional Office, within four (4) daytime business hours of the occurrence. In addition, the owner shall provide a written statement, within 14 days, explaining the problem, corrective action taken, and the estimated duration of the breakdown/shutdown.
(9 VAC 5-80-250)

G. Startup, Shutdown, and Malfunction

At all times, including periods of startup, shutdown, soot blowing, and malfunction, owners shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with air pollution control practices for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the board, which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.

The opacity limits in this permit apply at all times except during periods of startup, shutdown, malfunction and as otherwise provided in this permit.
(9 VAC 5-50-20)

H. Malfunction as an Affirmative Defense

1. A malfunction constitutes an affirmative defense to an action brought for noncompliance with technology-based emission limitations if the conditions of paragraph 2 are met.

2. The affirmative defense of malfunction shall be demonstrated by the permittee through properly signed, contemporaneous operating logs, or other relevant evidence that show the following:

   a. A malfunction occurred and the permittee can identify the cause or causes of the malfunction.

   b. The permitted facility was at the time being properly operated.

   c. During the period of the malfunction the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit. For malfunctions that occurred for one hour or more, the permittee submitted to the board by the deadlines described in Failure/Malfunction Reporting above, a notice and written statement containing a description of the malfunction, any steps taken to mitigate emissions, and corrective actions taken. The notice fulfills the requirement of 9 VAC 5-80-110 F.2. b to report promptly deviations from permit requirements.

3. In any enforcement proceeding, the permittee seeking to establish the occurrence of a malfunction shall have the burden of proof. The provisions of this section are in addition to any malfunction, emergency, or upset provision contained in any requirement applicable to the source.

(9 VAC 5-80-250)

I. Fugitive Dust Emission Standards

During the operation of a stationary source or any other building, structure, facility or installation, no owner or other person shall cause or permit any materials or property to be handled, transported, stored, used, constructed, altered, repaired, or demolished without taking reasonable precautions to prevent particulate matter from becoming airborne. Such reasonable precautions may include, but are not limited, to the following:

1. Use, where possible, of water or chemicals for control of dust in the demolition of existing buildings or structures, construction operations, the grading of roads, or the clearing of land;

2. Application of asphalt, water, or suitable chemicals on dirt roads, materials stockpiles, and other surfaces which may create airborne dust; the paving of roadways and the maintaining of them in a clean condition;

3. Installation and use of hoods, fans, and fabric filters to enclose and vent the handling of dusty material. Adequate containment methods shall be employed during sandblasting or other similar operations;

4. Open equipment for conveying or transporting material likely to create objectionable air pollution when airborne shall be covered or treated in an equally effective manner at all times when in motion; and

5. The prompt removal of spilled or tracked dirt or other materials from paved streets and of dried sediments resulting from soil erosion.

(9 VAC 5-40-90; 9 VAC 5-50-90)

J. Severability

The terms of this permit are severable. If any condition, requirement, or portion of the permit is held invalid or inapplicable under any circumstance, such invalidity or inapplicability shall not affect or impair the remaining conditions, requirements, or portions of the permit.
(9 VAC 5-80-110 G.1)

K. Duty to Comply

The permittee shall comply with all terms and conditions of this permit, including those in tabular format. Any permit noncompliance constitutes a violation of the federal Clean Air Act or the Virginia Air Pollution Control Law or both and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.
(9 VAC 5-80-110 G.2)

L. Need to Halt or Reduce Activity not a Defense

It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.
(9 VAC 5-80-110 G.3)

M. Permit Action for Cause

1. This permit may be modified, revoked, reopened, and reissued, or terminated for cause as specified in 9 VAC 5-80-110 L, 9 VAC 5-80-240 and 9 VAC 5-80-260. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.

2. Such changes that may require a permit modification and/or revisions include, but are not limited to, the following:

a. Erection, fabrication, installation, addition, or modification of an emissions unit (which is the source, or part of it, which emits or has the potential to emit any regulated air pollutant), or of a source, where there is, or there is the potential of, a resulting emissions increase;

b. Reconstruction or replacement of any emissions unit or components thereof such that its capital cost exceeds 50% of the cost of a whole new unit;

c. Any change at a source which causes emission of a pollutant not previously emitted, an increase in emissions, production, throughput, hours of operation, or fuel use greater than those allowed by the permit, or by 9 VAC 5-80-11, unless such an increase is authorized by an emission cap; or any change at a source which causes an increase in emissions resulting from a reduction in control efficiency, unless such an increase is authorized by an emissions cap;

d. Any reduction of the height of a stack or of a point of emissions, or the addition of any obstruction which hinders the vertical motion of exhaust;

e. Any change at the source which affects its compliance with conditions in this permit, including conditions relating to monitoring, recordkeeping, and reporting;

f. Addition of an emissions unit which qualifies as insignificant by emissions rate or by size or production rate
(9 VAC 5-80-720 B; 9 VAC 5-80-720 C);

g. Any change in insignificant activities, as defined by 9 VAC 5-80-90 D.1.a(1) and by 9 VAC 5-80-720 B and 9 VAC 5-80-720 C.

(9 VAC 5-80-110 G, 9 VAC 5-80-110 J, 9 VAC 5-80-240, and 9 VAC 5-80-260)

N. Property Rights

The permit does not convey any property rights of any sort, or any exclusive privilege.
(9 VAC 5-80-110 G.5)

O. Duty to Submit Information

1. The permittee shall furnish to the board, within a reasonable time, any information that the board may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the board copies of records required to be kept by the permit and, for information claimed to be confidential, the permittee shall furnish such records to the board along with a claim of confidentiality.
(9 VAC 5-80-110 G.6)

2. Any document (including reports) required in a permit condition to be submitted to the board shall contain a certification by a responsible official that meets the requirements of 9 VAC 5-80-80 G.
(9 VAC 5-80-110 K.1)

P. Duty to Pay Permit Fees

The owner of any source for which a permit under 9 VAC 5-80-50 through 9 VAC 5-80-305 was issued shall pay permit fees consistent with the requirements of 9 VAC 5-80-310 through 9 VAC 5-80-355. The actual emissions covered by the permit program fees for the proceeding year shall be calculated by the owner and submitted to the Department by April 15 of each year. The calculations and final amount of emissions are subject to verification and final determination by the Department.
(9 VAC 5-80-110 H, 9 VAC 5-80-340 C.)

Q. Inspection and Entry Requirements

The permittee shall allow DEQ, upon presentation of credentials and other documents as may be required by law, to perform the following:

1. Enter upon the premises where the source is located or emissions-related activity is conducted, or where records must be kept under the terms and conditions of the permit.

2. Have access to and copy, at reasonable times, any records that must be kept under the terms and conditions of the permit.

3. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit.

4. Sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

(9 VAC 5-80-110 K.2)

R. Reopening For Cause

1. The permit shall be reopened by the board if additional federal requirements become applicable to a major source with a remaining permit term of three or more years. Such a reopening shall be completed not later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions has been extended pursuant to 9 VAC 5-80-80 F.

2. The permit shall be reopened if the board or the administrator determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.

3. The permit shall be reopened if the administrator or the board determines that the permit must be revised or revoked to assure compliance with the applicable requirements.

4. The permit shall not be reopened by the board if additional applicable state requirements become applicable to a major source prior to the expiration date established under 9 VAC 5-80-110 D.
(9 VAC 5-80-110 L)

S. Permit Availability

Within five days after receipt of the issued permit, the permittee shall maintain the permit on the premises for which the permit has been issued and shall make the permit immediately available to DEQ upon request.
(9 VAC 5-80-150 E)

T. Transfer of Permits

1. No person shall transfer a permit from one location to another, unless authorized under 9 VAC 5-80-130, or from one piece of equipment to another.

2. In the case of a transfer of ownership of a stationary source, the new owner shall comply with any current permit issued to the previous owner. The new owner shall notify the board of the change in ownership within 30 days of the transfer and shall comply with the requirements of 9 VAC 5-80-200.

3. In the case of a name change of a stationary source, the owner shall comply with any current permit issued under the previous source name. The owner shall notify the board of the change in source name within 30 days of the name change and shall comply with the requirements of 9 VAC 5-80-200.

(9 VAC 5-80-160)

U. Permit Revocation or Termination for Cause

A permit may be revoked or terminated prior to its expiration date if the owner knowingly makes material misstatements in the permit application or any amendments thereto or if the permittee violates, fails, neglects or refuses to comply with the terms or conditions of the permit, any applicable requirements, or the applicable provisions of 9 VAC 5 Chapter 80 Article 1. The board may suspend, under such conditions and for such period of time as the board may prescribe, any permit for any of the grounds for revocation or termination or for any other violations of these regulations.
(9 VAC 5-80-260)

V. Duty to Supplement or Correct Application

Any applicant who fails to submit any relevant facts or who has submitted incorrect information in a permit application shall, upon becoming aware of such failure or incorrect

submittal, promptly submit such supplementary facts or corrections. An applicant shall also provide additional information as necessary to address any requirements that become applicable to the source after the date a complete application was filed but prior to release of a draft permit.
(9 VAC 5-80-80 E)

W. Stratospheric Ozone Protection

If the permittee handles or emits one or more Class I or II substance subject to a standard promulgated under or established by Title VI (Stratospheric Ozone Protection) of the federal Clean Air Act, the permittee shall comply with all applicable sections of 40 CFR Part 82, Subparts A to F.
(40 CFR Part 82, Subparts A - F)

X. Accidental Release Prevention

If the permittee has more, or will have more than a threshold quantity of a regulated substance in a process, as determined under 40 CFR 68.115, the permittee shall comply with the requirements of 40 CFR Part 68.
(40 CFR Part 68)

SOURCE TESTING REPORT FORMAT

Cover

1. Plant name and location
2. Units tested at source (indicate Ref. No. used by source in permit or registration)
3. Tester; name, address and report date

Certification

1. Signed by team leader / certified observer (include certification date)
* 2. Signed by reviewer

Introduction

1. Test purpose
2. Test location, type of process
3. Test dates
* 4. Pollutants tested
5. Test methods used
6. Observers' names (industry and agency)
7. Any other important background information

Summary of Results

1. Pollutant emission results / visible emissions summary
2. Input during test vs. rated capacity
3. Allowable emissions
* 4. Description of collected samples, to include audits when applicable
5. Discussion of errors, both real and apparent

Source Operation

1. Description of process and control devices
2. Process and control equipment flow diagram
3. Process and control equipment data

* Sampling and Analysis Procedures

1. Sampling port location and dimensioned cross section
2. Sampling point description
3. Sampling train description
4. Brief description of sampling procedures with discussion of deviations from standard methods
5. Brief description of analytical procedures with discussion of deviation from standard methods

Appendix

* 1. Process data and emission results example calculations
2. Raw field data
* 3. Laboratory reports
4. Raw production data
* 5. Calibration procedures and results
6. Project participants and titles
7. Related correspondence
8. Standard procedures

* Not applicable to visible emission evaluations.